

**From:** [Gregory Oberley](#)  
**To:** [Tricia Pfeiffer](#)  
**Subject:** Re: Fw: Water Analytical Results from Schilke Ranch/Farm  
**Date:** 12/15/2011 04:37 PM

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Got it - I'll take a look at it tomorrow.

Gregory Oberley  
Aquifer Protection Team  
US EPA Region VIII (EP-EPR)  
1595 Wynkoop Street  
Denver, Colorado 80202

303-312-7043

▼ [Tricia Pfeiffer---12/15/2011 03:55:02 PM---Can we chat Monday :\) Tricia Rios Pfeiffer, Engineer](#)

From: Tricia Pfeiffer/R8/USEPA/US  
To: Gregory Oberley/R8/USEPA/US@EPA  
Date: 12/15/2011 03:55 PM  
Subject: Fw: Water Analytical Results from Schilke Ranch/Farm

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Can we chat Monday :)

Tricia Rios Pfeiffer, Engineer  
U.S. Environmental Protection Agency-Region8  
Watershed & Aquifer Protection Unit  
1595 Wynkoop Street  
MC: EP-EPR  
Denver, Colorado 80202

P: 303-312-6271  
P: 866-457-2690 ext 312-6271  
F: 303-312-7206

----- Forwarded by Tricia Pfeiffer/R8/USEPA/US on 12/15/2011 03:54 PM -----

From: Tricia Pfeiffer/R8/USEPA/US  
To: "Roberts, Kris D." <kroberts@nd.gov>, "Fewless, Dennis R." <dfewless@nd.gov>, "Glatt, Dave D." <dglatt@nd.gov>, "O'Clair, Terry L." <toclair@nd.gov>, "Semerad, Jim L." <jsemerad@nd.gov>  
Cc: Johanna Miller/R8/USEPA/US@EPA, Bert Garcia/R8/USEPA/US@EPA, Ayn Schmit/R8/USEPA/US@EPA, Adam Eisele/R8/USEPA/US@EPA, Kyle Olson/R8/USEPA/US@EPA  
Date: 12/12/2011 03:54 PM  
Subject: Re: Water Analytical Results from Schilke Ranch/Farm

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Kris,

Interesting email background, feel like I should be back in lab. Thanks for sending

the information over in the attachment below, given the size email system would not let me send over the pictures as individual attachments. I am meeting with Greg Oberley early this week to review the water data you provided. Also wondering if the state received the analysis from the sampling conducted by the operator? I will set up a call shortly thereafter for technical discussions.

Jim and Mark,

I am attaching the latest data with pictures that Ms. Schilke has sent (the background information with each attachment was provided by Ms. Schilke). I have included Mark on the email list since he recently sent me air information. I have cc'd Adam and Kyle for EPA; they are with EPA's air program.

[attachment "state email 12\_12\_11.docx" deleted by Gregory Oberley/R8/USEPA/US] [attachment "Lab results.pdf" deleted by Gregory Oberley/R8/USEPA/US]

I would like to have a technical call for water and a separate call for air. Who from the state should I send the invite to for water vs air discussions? I suspect upper management would not want to receive emails and sit these types calls?

Thanks,  
Tricia

Tricia Rios Pfeiffer, Engineer  
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▼ "Roberts, Kris D." ---12/07/2011 10:39:37 AM---Tricia: Attached are the analytical results we promised you for water samples on the Schilke Farm.

From: "Roberts, Kris D." <kroberts@nd.gov>  
To: Tricia Pfeiffer/R8/USEPA/US@EPA  
Cc: "Fewless, Dennis R." <dfewless@nd.gov>, "Glatt, Dave D." <dglatt@nd.gov>, "O'Clair, Terry L." <toclair@nd.gov>, "Semerad, Jim L." <jsemerad@nd.gov>  
Date: 12/07/2011 10:39 AM  
Subject: Water Analytical Results from Schilke Ranch/Farm

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Tricia:

Attached are the analytical results we promised you for water samples on the Schilke Farm.

For the first set, since we did not know what we were getting into, and the oilfield was not their particular target at the time (just her health, breathing problems, and animal health), and the fact that this was a purchased property, not the family farmstead with a long history, we looked at pretty much everything, including pesticides.

On the lab submission sheet, I have included the lat/long locations based on our GIS system (NAD83).

Also, in response to your (or someone's question in the call), barium is found in nearly all groundwater in North Dakota (from our Ambient GW Monitoring Database) at concentrations up to over 1,000 ug/L. And in areas where there has never been any oil activity.

Kris Roberts  
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Div. of Water Quality  
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[kroberts@nd.gov](mailto:kroberts@nd.gov)

701.328.5236[attachment "Water Analytical Results.pdf" deleted by  
Tricia Pfeiffer/R8/USEPA/US]